

Amendment "B"

Please amend claims 1-3, 7-9 and 11-13, as indicated in the following listing of claims.

Claim 1 (currently amended). A transition insert, comprising:

a first member comprising essentially steel;

a second member ~~comprising~~ consisting essentially of Al and between about 1.8 wt.% and 10.0 wt.% Si; and wherein,

the first member and the second member are joined to one another by one of roll bonding or explosion bonding.

Claim 2 (currently amended). The transition insert of claim 1, wherein the second member comprises between about 2.0 wt.% and 5.0 wt.% Si.

Claim 3 (currently amended). The transition insert of claim 1, wherein the second member comprises between about 2.0 wt.% and 3.0 wt.% Si.

Claim 4 (original). The transition insert of claim 1, further comprising:

an interlayer joined to one of the first member or the second member; and wherein,

the first member and the second member are joined to one another at the interlayer by the roll bonding or the explosion bonding.

Claim 5 (original). The transition insert of claim 4, wherein the interlayer comprises essentially Cr.

1 Claim 6 (original). The transition insert of claim 4, wherein the interlayer is between
2 about 0.01 and 10.0 microns thick.

3
4 Claim 7 (currently amended). A transition insert, comprising:
5 a first member comprising essentially steel;
6 a second member ~~comprising~~ consisting essentially of Al and between about
7 1.8 wt.% and 10.0 wt.% Si;
8 an interlayer comprising essentially Cr joined to one of the first member or the
9 second member; and wherein,
10 the first member and the second member are joined to one another at the
11 interlayer by one of roll bonding or explosion bonding.

12
13 Claim 8 (currently amended). The transition insert of claim 7, wherein the second
14 member comprises between about 2.0 wt.% and 5.0 wt.% Si.

15
16 Claim 9 (currently amended). The transition insert of claim 7, wherein the second
17 member comprises between about 2.0 wt.% and 3.0 wt.% Si.

18
19 Claim 10 (original). The transition insert of claim 7, wherein the interlayer is between
20 about 0.01 and 10.0 microns thick.

21
22 (Continued on next page.)
23
24
25

1 Claim 11 (currently amended). A transition insert, comprising:

2 a first member, wherein the first member is a material selected from the group
3 consisting of essentially copper, essentially an iron based alloy, and essentially
4 titanium;

5 a second member ~~comprising~~ consisting essentially of Al and between about
6 1.8 wt.% to 10.0 wt.% Si; and wherein,

7 the first member and the second member are joined to one another by one of
8 roll bonding or explosion bonding.

9
10 Claim 12 (currently amended). The transition insert of claim 11, wherein the
11 second member comprises between about 2.0 wt.% and 5.0 wt.% Si.

12
13 Claim 13 (currently amended). The transition insert of claim 11, wherein the
14 second member comprises between about 2.0 wt.% and 3.0 wt.% Si.

15
16 Claim 14 (original). The transition insert of claim 11, further comprising:

17 an interlayer joined to one of the first member or the second member; and
18 wherein,

19 the first member and the second member are joined to one another at the
20 interlayer by the roll bonding or the explosion bonding.

21
22 Claim 15 (original). The transition insert of claim 14, wherein the interlayer
23 comprises essentially Cr.

24
25 Claim 16 (original). The transition insert of claim 14, wherein the interlayer is
between about 0.01 and 10.0 microns thick.

1 Claims 17-25 (cancelled).

3 (End of claim listing.)

5 (Continued on next page.)